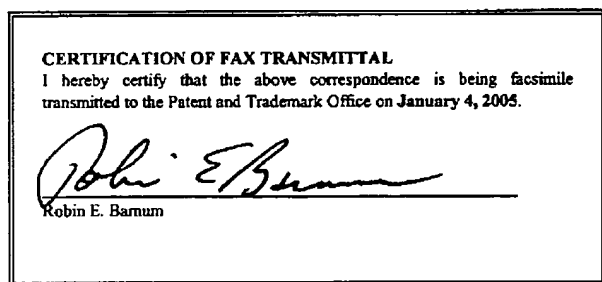


JAN 04 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Chris Heegard, et al. **Attorney Docket No.:** TI-33032
Serial No: 09/922,366 **Filed:** August 3, 2001
Art Unit: 2631 **Examiner:** Tesfaldet Bocure
Conf. No.: 7792
Title: Joint Equalization and Decoding Using a Search-Based Decoding Algorithm



Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT PURSUANT TO 37 CFR 1.111

Dear Sir:

This amendment is in response to the Office Action dated October 4, 2004, having a statutory period for response set to expire on January 4, 2005.

Amendments to Claims begin on page 2.

Remarks/Arguments begin on page 6.

TI-33032 - 1 -

To: Technology Center: 2631
Facsimile Number: 703-872-9306

Total Pages Sent: 10

From: Abdul Zindani
Texas Instruments Incorporated
Facsimile: 972-917-4418
Phone: 972-917-5137

RECEIVED
CENTRAL FAX CENTER

JAN 04 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of TI-33032
Art Unit: 2631
Chris Heegard, et al.
Examiner: Tesfaldet Bocure
Serial No.: 09/922,366
Conf. No.: 7792
Filed: August 3, 2001
For: Joint Equalization and Decoding Using a Search-Based Decoding Algorithm

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following papers are being transmitted by facsimile to the U.S. Patent and Trademark Office at 703-872-9306 on the date shown below:


Robin E. Barnum

January 4, 2005
Date

FACSIMILE COVER SHEET

<input checked="" type="checkbox"/> FACSIMILE COVER SHEET	<input checked="" type="checkbox"/> AMENDMENT <u>111 (9 Pages)</u>
<input type="checkbox"/> NEW APPLICATION	<input type="checkbox"/> EOT <u>(# Page)</u>
<input type="checkbox"/> DECLARATION (# Pages)	<input type="checkbox"/> NOTICE OF APPEAL (# Pages)
<input type="checkbox"/> ASSIGNMENT (# Pages)	<input type="checkbox"/> APPEAL <u>(# Pages)</u>
<input type="checkbox"/> FORMAL DRAWINGS	<input type="checkbox"/> ISSUE FEE (# Pages)
<input type="checkbox"/> INFORMAL DRAWINGS	<input type="checkbox"/> REPLY BRIEF (IN TRIPLICATE) (# Pages)
<input type="checkbox"/> CONTINUATION APPN (# Pages)	
<input type="checkbox"/> DIVISIONAL APPN	
NAME OF INVENTOR(S): Chris Heegard, et al.	
RECEIPT DATE & SERIAL NO.: Serial No.: 09/922,366 Filing Date: August 3, 2001	
TITLE OF INVENTION: Joint Equalization and Decoding Using a Search-Based Decoding Algorithm	
TI FILE NO.: TI-33032	DEPOSIT ACCT. NO.: 20-0668
FAXED: 1/4/05 DUE: 1/4/05 ATTY/SEC'Y: ARZ/reb	

This facsimile is intended only for the use of the address named and contains legally privileged and/or confidential information. If you are not the intended recipient of this telecopy, you are hereby notified that any dissemination, distribution, copying or use of this communication is strictly prohibited. Applicable privileges are not waived by virtue of the document having been transmitted by Facsimile. Any misdirected facsimiles should be returned to the sender by mail at the address indicated on this cover sheet.

Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265